

ABSTRACT OF DISCLOSURE

An apparatus, method, and medium including computer readable code for discriminating a type of a recording medium using an amplitude of a groove wobble formed on the recording medium. The apparatus includes a radio frequency (RF) amplifier, a wobble amplitude detector, and a system controller. The RF amplifier generates a signal based on light reflected from the recording medium, wobble amplitude detector detects the amplitude of wobble formed on the recording medium based on an output signal of the RF amplifier, and the system controller discriminates a type of the recording medium by comparing the wobble amplitude detected by the wobble amplitude detector with a reference value.